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CMCC Document No. 151X5.515

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INSTRUMENT NO. \_\_\_\_\_  
NO CHANGE IN CLASS. ☐  
DECLASSIFIED  
CLASS. CHANGED TO: (C) 7011  
NEXT REVIEW DATE: \_\_\_\_\_  
AUTH: HR 70-2  
DATE: 12/11/61 REVIEWER: 037169

18 April 1957

To: WRSP(3)

Info: Headquarters ✓  
25X1A

From [REDACTED] to the Communications and Electronics Section.

A major redesign of several chassis and components in the Data Reduction Equipment has been under way for some time. Within the next few weeks a redesigned system should be available. Production of the redesigned subassemblies is now beginning. Within a few weeks you should receive replacement of a monitor chassis, including the playback/record amplifiers, and a mixing and output control chassis.

Upon receipt of these chassis, please return the old chassis and amplifiers.

A System 3 test set was returned from the field for modification. This test set was improperly packed for shipment, and when received at the factory it was almost completely demolished. It is your responsibility to prevent such negligent destruction in the future.

The 1300 cycle, 1700 cycle, 2300 cycle, and the 3000 cycle timing tones are not being recorded with sufficient amplitude to reliably operate certain analysis equipment. Please adjust these amplitudes to 3 volts peak-to-peak at the test points. These voltages are now adjusted for one volt peak-to-peak.

Pwa

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**SECRET**

18 April 1957

To: WRSP(2)

Info: Headquarters ✓  
25X1A

From [REDACTED] to the Communications and Electronics Section.

A major redesign of several chassis and components in the Data Reduction Equipment has been under way for some time. Within the next few weeks a redesigned system should be available. Production of the redesigned subassemblies is now beginning. Within a few weeks you should receive replacement of a monitor chassis, including the playback/record amplifiers, and a mixing and output control chassis.

Upon receipt of these chassis, please return the old chassis and amplifiers.

A System 3 test set was returned from the field for modification. This test set was improperly packed for shipment, and when received at the factory it was almost completely demolished. It is your responsibility to prevent such negligent destruction in the future.

A timing circuit for System 5 was designed by Hileman and Anagnostou. The circuit schematic and description is now in the hands of our patent attorney for investigation of any patentable features. The relays in this timing circuit are causing transients to be recorded on the tapes. If the timing circuit is to be used, these transients must be eliminated. Simple damping circuits using diodes or resistive/capacitive combinations should be helpful.

The 1300 cycle, 1700 cycle, 2300 cycle, and the 3000 cycle timing tones are not being recorded with sufficient amplitude to reliably operate certain analysis equipment. Please adjust these amplitudes to 3 volts peak-to-peak at the test points. These voltages are now adjusted for 1 volt peak-to-peak.

*PWC*

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SAPC 15-022  
COPY 1 OF 1

18 April 1957

To: WRSP(1) ✓

Info: 25X1A Headquarters

From [REDACTED] to the Communications and Electronics Section.

I wish to compliment you on your initiative and ingenuity displayed in the modifications to the System 1 recorder. The results of your tests with three units were very encouraging. [REDACTED] has brought your work to the attention of our design engineers to investigate the changes and make recommendations regarding modifications to all units. I consider this to be an outstanding piece of work on your part.

25X1A

Your report outlining the difficulties encountered with the data reduction equipment is receiving careful consideration. A major redesign of several chassis and components in the Data Reduction Equipment has been under way for some time. Because of this redesign we do not at this moment have a Data Reduction System to make complete system checks on all the items listed in your report. Within the next few weeks a redesigned system should be available. In most cases the points mentioned in your report were already taken into consideration in the present redesign. Production of the redesigned subassemblies is now beginning. Within a few weeks you should receive replacement of a monitor chassis, including the playback/record amplifiers, and a mixing and output control chassis.

Upon receipt of these chassis, please return the old chassis and amplifiers.

A System 3 test set was returned from the field for modification. This test set was improperly packed for shipment, and when received at the factory it was almost completely demolished. It is your responsibility to prevent such negligent destruction in the future.

25X1A

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A timing circuit for System 5 was designed by [REDACTED] and [REDACTED]. The circuit schematic and description is now in the hands of our patent attorney for investigation of any patentable features.

The 1300 cycle, 1700 cycle, 2300 cycle, and the 3000 cycle timing tones are not being recorded with sufficient amplitude to reliably operate certain analysis equipment. Please adjust these amplitudes to 3 volts peak-to-peak at the test points. These voltages are now adjusted for 1 volt peak-to-peak.

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*PWC*

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